

09/18/01



1132 U.S. PTO

09-20-01

A

0 Please type a plus sign (+) inside this box [+]

PTO/SB/05 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

1c971 U.S. PTO

09/95589



09/18/01

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 042390P9484

(maximum 12 characters)

First Named Inventor Sabina J. Houle et al.

Title: CARBON-CARBON AND/OR METAL-CARBON FIBER COMPOSITE HEAT SPREADER

Express Mail Label No. EL 672 746 500 US

ADDRESS TO: Assistant Commissioner for Patents
 Box Patent Application
 Washington, D. C. 20231

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ **Fee Transmittal Form (e.g., PTO/SB/17)**
 (Submit an original, and a duplicate for fee processing)
2. ☐ **Applicant Claims Small Entity Status. (37 CFR 1.27)**
3. ☒ **Specification (Total Pages 24)**
 (preferred arrangement set forth below)
 - Descriptive Title of the Invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. ☒ **Drawings(s) (35 USC 113) (Total Sheets 9)**
5. ☒ **Oath or Declaration (Total Pages 5)**
 - a. ☐ Newly Executed (Original or Copy)
 - b. ☒ Copy from a Prior Application (37 CFR 1.63(d))
 (for Continuation/Divisional with Box 17 completed)
 - i. ☐ **DELETIONS OF INVENTOR(S)** Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
 - c. ☐ Unsigned.
6. ☐ **Application Data Sheet. (37 CFR 1.76)**
7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. ☐ Nucleotide and/or Amino Acid Sequence Submission
 (if applicable, all necessary)
 - a. ☐ Computer Readable Form (CRF)
 - b. ☐ Specification Sequence Listing on:
 - i. ☐ CD-ROM or CD-R (2 copies); or
 - ii. ☐ paper
 - c. ☐ Statement verifying identity of above copies

2/15/01

- 1 -

09/18/01 09/18/01 09/18/01

ACCOMPANYING APPLICATION PARTS

9. ☐ **Assignment Papers (cover sheet & documents(s))**
10. ☐ a. Separate 37 CFR 3.73(b) Statement (where there is an assignee)
10. ☒ b. Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ a. Information Disclosure Statement (IDS)/PTO-1449
12. ☐ b. Copies of IDS Citations
13. ☒ **Preliminary Amendment**
14. ☒ **Return Receipt Postcard (MPEP 503) (Should be specifically itemized)**
15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☐ **Request and Certification under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.**
17. ☒ Other: Express Mail Certificate of Mailing

18A. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:

☐ Continuation ☒ Divisional ☐ Continuation-in-part (CIP)
Of Prior Application No.: 09/670,923 **Examiner** Flanigan, A. **Group Art Unit** 3743
 (which is a ☐ continuation/ ☐ divisional/ ☐ CIP of prior application no. _____,
 which is a ☐ continuation/ ☐ divisional/ ☐ CIP of prior application no. _____) (List entire chain of priority)

Applicant(s): Also include a Preliminary Amendment to amend the specification to claim priority.
For CONTINUATION AND DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

18B. Statement under 37 CFR 3.73(b) for continuing application:

The undersigned states that _____ (name of assignee) is the assignee of the entire right, title, and interest in the accompanying patent application by virtue of an assignment recorded in the Patent and Trademark Office at Reel. No. _____ Frame No. _____ (or a copy of which is attached).

19. Correspondence Address

☐ Customer Number or Bar Code Label _____
 or _____ (Insert Customer No. or Attach Bar Code Label here)

☒ Correspondence Address Below

NAME Michael A. Bernadicou

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

ADDRESS 12400 Wilshire Boulevard

Seventh Floor

CITY Los Angeles **STATE** California **ZIP CODE** 90025-1026

Country U.S.A. **TELEPHONE** (408) 720-8300 **FAX** (408) 720-9397

Name (PRINT/TYPE): Michael A. Bernadicou **Registration No.:** 35,934

Signature: Michael Bernadicou **Date:** 9/10/01

FEE TRANSMITTAL FOR FY 2001**TOTAL AMOUNT OF PAYMENT (\$)** \$710.00**Complete if Known:****Application No.** Not yet assigned**Filing Date** Herewith**First Named Inventor** Sabina J. Houle et al.**Group Art Unit** Not yet assigned**Examiner Name** Not yet assigned**Attorney Docket No.** 042390P9484D**METHOD OF PAYMENT (check one)**

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number 02-2666**Deposit Account Name** _____☐ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17☐ Applicant claims small entity status. See 37 CFR 1.27

2. ☒ Payment Enclosed: ☒ Check
☐ Credit Card
☐ Money Order
☐ Other

FEE CALCULATION**1. BASIC FILING FEE**

<u>Large Entity</u>		<u>Small Entity</u>		<u>Fee Description</u>	<u>Fee Paid</u>
<u>Code</u>	<u>Fee (\$)</u>	<u>Code</u>	<u>Fee (\$)</u>		
101	710	201	355	Utility application filing fee	\$710.00
106	320	206	160	Design application filing fee	
107	490	207	245	Plant filing fee	
108	710	208	355	Reissue filing fee	
114	150	214	75	Provisional application filing fee	

SUBTOTAL (1) \$ 710.00**2. EXTRA CLAIM FEES**

		<u>Extra Claims</u>	<u>Fee from below</u>	<u>Fee Paid</u>
Total Claims	<u>15</u>	- 20** = <u>0</u>	X \$18.00	= \$0.00
Independent Claims	<u>3</u>	- 3** = <u>0</u>	X \$80.00	= \$0.00
Multiple Dependent			\$270.00	= \$0.00

****Or number previously paid, if greater; For Reissues, see below.**

<u>Large Entity</u>		<u>Small Entity</u>		<u>Fee Description</u>
<u>Code</u>	<u>Fee (\$)</u>	<u>Code</u>	<u>Fee (\$)</u>	
103	18	203	9	Claims in excess of 20
102	80	202	40	Independent claims in excess of 3
104	270	204	135	Multiple dependent claim, if not paid
109	80	209	40	**Reissue independent claims over original patent
110	18	210	9	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) \$ 0.00

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

<u>Large Entity</u>		<u>Small Entity</u>		<u>Fee Description</u>	<u>Fee Paid</u>
<u>Fee Code</u>	<u>Fee (\$)</u>	<u>Fee Code</u>	<u>Fee (\$)</u>		
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for ex parte reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	390	216	195	Extension for reply within second month	
117	890	217	445	Extension for reply within third month	
118	1,390	218	695	Extension for reply within fourth month	
128	1,890	228	945	Extension for reply within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,240	241	620	Petition to revive - unintentional	
142	1,240	242	620	Utility issue fee (or reissue)	
143	440	243	220	Design issue fee	
144	600	244	300	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	710	246	355	For filing a submission after final rejection (see 37 CFR 1.129(a))	
149	710	249	355	For each additional invention to be examined (see 37 CFR 1.129(b))	
179	710	279	355	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	
195	300	195	300	Publication fee for early, voluntary, or normal publication	
196	300	196	300	Publication fee for republication	
194	130	194	130	Request for voluntary publication or republication	
098	130	098	130	Processing fee under 37 CFR 1.17(i)	
091	1,240	091	1,240	Acceptance of unintentionally delayed claim for priority	
Other fee (specify) _____					
Other fee (specify) _____					

SUBTOTAL (3) \$ 0.00

*Reduced by Basic Filing Fee Paid

SUBMITTED BY:Typed or Printed Name: Michael A. BernadicouSignature: *Michael A. Bernadicou* Date: 7/10/01Reg. Number: 35,934 Telephone Number: (408) 720-8300

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

EXPRESS MAIL CERTIFICATE OF MAILING

"Express Mail" mailing label number: EL672746500US
Date of Deposit: September 18, 2001

I hereby certify that I am causing this paper or fee to be deposited with the United States Postal Service "Express Mail Post Office to Addressee" service on the date indicated above and that this paper or fee has been addressed to the Assistant Commissioner for Patents, Washington, D. C. 20231

TERESA EDWARDS

(Typed or printed name of person mailing paper or fee)

Teresa Edwards

(Signature of person mailing paper or fee)

September 18, 2001

(Date signed)

Serial/Patent No.: Not yet assigned Filing/Issue Date: Herewith

Client: Intel Corporation

Title: CARBON-CARBON AND/OR METAL-CARBON FIBER COMPOSITE HEAT SPREADER

BSTZ File No.: 042390P9484D Atty/Secty Initials: MAB/te

Date Mailed: September 18, 2001 Docket Due Date: ***

The following has been received in the U.S. Patent & Trademark Office on the date stamped hereon:

<input type="checkbox"/> Amendment/Response (____ pgs.)	<input checked="" type="checkbox"/> Express Mail No.: <u>EL672746500US</u> <input checked="" type="checkbox"/> Check No. <u>45310</u>
<input type="checkbox"/> Appeal Brief (____ pgs.) (in triplicate)	<input type="checkbox"/> _____ Month(s) Extension of Time Amt: <u>\$710.00</u>
<input type="checkbox"/> Application - Utility (____ pgs., with cover and abstract)	<input type="checkbox"/> Information Disclosure Statement & PTO 149 (____ pgs.) <input type="checkbox"/> Check No. _____
<input type="checkbox"/> Application - Rule 1.53(b) Continuation (____ pgs.)	<input type="checkbox"/> Issue Fee Transmittal Amt: _____
<input checked="" type="checkbox"/> Application - Rule 1.53(b) Divisional (<u>24</u> pgs.)	<input type="checkbox"/> Notice of Appeal
<input type="checkbox"/> Application - Rule 1.53(b) CIP (____ pgs.)	<input type="checkbox"/> Petition for Extension of Time
<input type="checkbox"/> Application - Rule 1.53(d) CPA Transmittal (____ pgs.)	<input type="checkbox"/> Petition for _____
<input type="checkbox"/> Application - Design (____ pgs.)	<input checked="" type="checkbox"/> Postcard
<input type="checkbox"/> Application - PCT (____ pgs.)	<input checked="" type="checkbox"/> Power of Attorney (<u>4</u> pgs.)
<input type="checkbox"/> Application - Provisional (____ pgs.)	<input checked="" type="checkbox"/> Preliminary Amendment (<u>2</u> pgs.)
<input type="checkbox"/> Assignment and Cover Sheet	<input type="checkbox"/> Reply Brief (____ pgs.)
<input checked="" type="checkbox"/> Certificate of Mailing	<input type="checkbox"/> Response to Notice of Missing Parts
<input checked="" type="checkbox"/> Declaration & POA (<u>4</u> pgs.)	<input type="checkbox"/> Small Entity Declaration for Indep. Inventor/Small Business
<input type="checkbox"/> Disclosure Docs & Orig & Copy of Inventions Signed Letter (____ pgs.)	<input type="checkbox"/> Transmittal Letter, in duplicate
<input checked="" type="checkbox"/> Drawings: <u>9</u> # of sheets includes <u>12</u> figures	<input checked="" type="checkbox"/> Fee Transmittal, in duplicate

☒ Other: Copy of Specification, Figures and DPOA as originally submitted on September 29, 2000; Formal Drawings Submission:

Express Mail Certificate of Mailing EL672746500US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Sabina J. Houle et al.

Serial No.: Not yet assigned

Filed: Herewith

For: CARBON-CARBON AND/OR
METAL-CARBON FIBER COMPOSITE
HEAT SPREADER

Assistant Commissioner for Patents
and Trademarks
Washington, D.C. 20231

)

Examiner: Not yet assigned

)

Art Unit: Not yet assigned

)

"Express Mail" mailing label number: EL672746500 US
Date of Deposit: September 18, 2001

I hereby certify that I am causing this paper or fee to be
deposited with the United States Postal Service "Express Mail Post
Office to Addressee" service on the date indicated above and
that this paper or fee has been addressed to the Commissioner
of Patents and Trademarks, Washington, D.C. 20231

TERESA EDWARDS
(Typed or printed name of person mailing paper or fee)

Teresa Edwards
(Signature of person mailing paper or fee)

September 18, 2001
(Date signed)

FORMAL DRAWINGS SUBMISSION

Enclosed herewith for submission in the United States Patent and Trademark
Office are nine (9) sheets of formal drawings for the patent application referenced
above.

If there are any further charges please charge them to Deposit Account No. 02-
2666. A duplicate of this sheet is enclosed for that purpose.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Dated: 9/10, 2001

Michael A. Bernadicou
Michael A. Bernadicou
Reg. No. 35,934

12400 Wilshire Boulevard
Seventh Floor
Los Angeles, California 90025-1026
(408) 720-8300

042390P9484D